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# PHA Findings

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ABU	Plant	Revalidation	Start Date	End Date	Facilitator	Scribe
D&R	#5 Rheniformer	2nd Revalidation	10/5/2006	10/10/2006	Tim Storrs	

## Core Team Members / Role

Stan Crowe - Operations; Dan Matson - Process Engineering; Brian Scaief - Designs Engineering; Ron Post - Designs Engineering

## Close Out Meeting Participants / Role

Carl Simmers - ABU Manager; Michelle Capshaw - D&R Section Head

## Additional Participants / Role

## Entire PHA Report

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**\* Further discussion about any portion of the report and its contents should be directed to the facilitator or any of the team members listed**

## Comments

Reviewed By	Date	Feedback/Comments
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Section No	Section Description								
45	NAPHTHA thru static mixer, E-580 to V-580 including Regenerator Wash and K-550 Anti-surge								
Item	WhatIf	Deviation	A/C	SOE RR	ABU Proposal	Resolution	Owner	Due By	Status
4	16391	Mis-Directed Flow	Consider providing additional training for PCOs and outside operators on the Trisen controller	O	4	Develop training materials, including a simplified description of the operation, for the Trisen compressor control system for K-3550 and K-550 and deliver the training to the	Tricent material is updated by the control group. The updated material will be part of all Rhen refresher training for Operators and available in the EOM for other groups like	Wilson, Clifford P.	12/31/2006 Completed

PCOs and outside operators. Make training package available to any affected maintenance and technical personnel.

Maintenance to review as well.

**Section No      Section Description**

62      Hot ISOMAX #4 & #5 CAT Feed Systems.

Item	WhatIf	Deviation	A/C	SOE	RR	ABU Proposal	Resolution	Owner	Due By	Status
7	16392	Human Factors	Consider field labeling of lines at the manifold locations and updating drawings to correspond with labels	S	3	Develop a simplified schematic of the feed system piping arrangement and label lines and valves in the field to match the schematic	Simplified drawing of C-440 bottoms for feeding Naphtha Splitter and a drawing to by-passing the Naphtha Splitter feeding directly to 5 Rheniformer has been developed. Drawings will be in the new EOM procedure for Loss of Naphtha Splitter. Updated 14 tab Emergency Procedure Loss of Naphtha Splitter. The lines in the field has been labeled.	Crowe, Stanley J.	6/1/2007	Completed

**Section No      Section Description**

68      Wrap-Up Discussion

Item	WhatIf	Deviation	A/C	SOE	RR	ABU Proposal	Resolution	Owner	Due By	Status
5	16394	Facility/Equipment Sitting	Verify that the control house still meets the requirements of API RP-751 or make any modifications needed to bring it up to refinery standards for a SIP building	S	4	Investigate the possible solutions to the north/west door handicapped access door actuator causing the door to be left open. Investigate the system for rapidly shutting the control house ventilation system in the event of a toxic release and determine the reason for the exhaust louvers actuator being disconnected. Make any necessary modifications or repairs to bring the control house in to compliance with the refinery standards for a Shelter-in-Place building	The louvers have been repaired in the control house roof. The door to the control house can be shut and discussions have been had with the control house operators on the need to keep the door shut. Although the door can be safely kept shut, a latent condition addressing the door is currently open and options for a new non motorized control mechanism are being reviewed for feasibility.	Capshaw, Michelle L.	12/31/2006	Completed

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